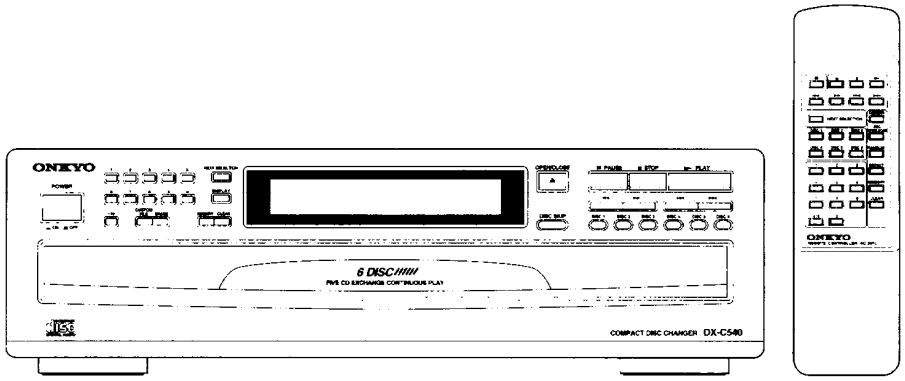
ONKYO

COMPACT disc DIGITAL AUDIO

Compact Disc Changer

DX-C540

Instruction Manual



DX-C540

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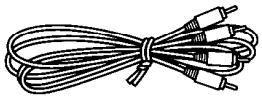
Thank you for purchasing the Onkyo CD changer.
Please read this manual thoroughly before making connections and turning on the power.
Following the instructions in this manual will enable you to obtain optimum performance and listening enjoyment from your new CD changer.
Please retain this manual for future reference.

Features

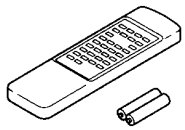
- **6-Disc Carousel Changer – only from Onkyo – offers more music and convenience for the money**
- **Unique design allows users to change up to 5 discs without interrupting disc in play**
- **Custom File & Custom Program with 202 disc memory**
- **Next Selection – another Onkyo exclusive – lets users choose the next track/disc without interrupting the current song playing**
- **Single-Bit PWM (Pulse Width Modulation) D/A Converter to minimize lowlevel linearity problems that plague many multi-bit players – so there's no loss of musical detail during quieter passages**
- **ProprietaryAccuPulse Quartz System with Polysorb virtually eliminates the possibility of timing errors in the clock oscillator**
- **8-Times Oversampling**
- **Fixed Analog Output**
- **Visible Display when tray is out**
- **Oversized power transformer**
- **6-Mode Repeat: entire disc, all discs, random tracks, programmed tracks, random memory, single track**
- **3-Mode Time Display: Single, Elapse/Remain, Total Remain**
- **RI Compatible Remote Control**
- **Optical Digital Output for direct digital connection to DAT/ Minidisc player or DSP receiver.**
- **Display dimmer (3 levels)**
- **Disc Intro Scan plays the first 8 seconds of each disc**
- **Direct Track/Disc Access via remote**

Supplied accessories



Audio connection cable (1)

RI cable (1)



Remote controller RC-337C (1)
Batteries (size AA, R6 or UM-3) (2)

FOR CANADIAN MODEL
POUR LE MODELE CANADIEN

- For models having a power cord with a polarized plug.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

- Sur les modèles dont la fiche est polarisée.

ATTENTION: POUR ÉVITER LES CHOCS ÉLECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

FOR BRITISH MODEL

Replacement and mounting of an AC plug on the power supply cord of this unit should be performed only by qualified service personnel.
IMPORTANT: The wires in the mains lead are coloured in accordance with the following code:

Blue : Neutral
Brown : Live

As the colours of the wires in the mains lead of this appliance may not correspond with the coloured markings identifying the terminals in your plug, proceed as follows:
The wire which is coloured BLUE must be connected to the terminal in the plug which is marked with the letter N or coloured BLACK.
The wire which is coloured BROWN must be connected to the terminal in the plug which is marked with the letter L or coloured RED.

IMPORTANT

A 5 amp fuse is fitted in this plug. Should the fuse need to be replaced, please ensure that the replacement fuse has a rating of 5 amps and that it is approved by ASTA or BSI to BS1362. Check for the ASTA mark or the BSI mark on the body of the fuse.
IF THE FITTED MOULDED PLUG IS UNSUITABLE FOR THE SOCKET OUTLET IN YOUR HOME, THEN THE FUSE SHOULD BE REMOVED AND THE PLUG SHOULD BE CUT OFF AND DISPOSED SAFELY. THERE IS A DANGER OF SEVERE ELECTRICAL SHOCK IF THE CUT OFF PLUG IS INSERTED INTO ANY 13 AMP SOCKET.
If in any doubt, please consult a qualified electrician.

Declaration of Conformity

We, ONKYO EUROPE
ELECTRONICS GMBH
INDUSTRIESTRASSE 18/20
82110 GERMERING,
GERMANY

CE

declare in own responsibility, that the ONKYO product described in this instruction manual is in compliance with the corresponding technical standards such as EN55013, EN55020, EN60555-2, -3 and EN60065

GERMERING,GERMANY

H. YAMAZOE
ONKYO EUROPE ELECTRONICS GMBH

WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION:

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Important Safeguards

1. **Read Instructions** – All the safety and operating instructions should be read before the appliance is operated.
2. **Retain Instructions** – The safety and operating instructions should be retained for future reference.
3. **Heed Warnings** – All warnings on the appliance and in the operating instructions should be adhered to.
4. **Follow Instructions** – All operating and use instructions should be followed.
5. **Water and Moisture** – The appliance should not be used near water – for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, and the like.
6. **Carts and Stands** – The appliance should be used only with a cart or stand that is recommended by the manufacturer.

6A. An appliance and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the appliance and cart combination to overturn.

PORTABLE CART WARNING

S3125A

7. **Wall or Ceiling Mounting** – The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
8. **Ventilation** – The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or if placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings, there should be at least 20 cm (8 in.) of free space behind the appliance.
9. **Heat** – The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
10. **Power Sources** – The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
11. **Polarization** – If the appliance is provided with a polarized plug having one blade wider than the other, please read the following information:
    The polarization of the plug is a safety feature. The polarized plug will only fit the outlet one way. If the plug does not fit fully into the outlet, try reversing it. If there is still trouble, the user should seek the services of a qualified electrician. Under no circumstances should the user attempt to defeat the polarization of the plug.
12. **Power-Cord Protection** – Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, especially near plugs, convenience receptacles, and the point where they exit from the appliance.
13. **Cleaning** – The appliance should be cleaned only as recommended by the manufacturer.
14. **Nonuse Periods** – The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
15. **Object and Liquid Entry** – Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
16. **Damage Requiring Service** – The appliance should be serviced by qualified service personnel when:
    A. The power-supply cord or the plug has been damaged; or
    B. Objects have fallen, or liquid has been spilled into the appliance; or
    C. The appliance has been exposed to rain; or
    D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
    E. The appliance has been dropped, or the enclosure damaged.
17. **Servicing** – The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

Precautions

1. Warranty Claim

You can find the serial number on the rear panel of the unit.
In case of warranty claim, please report this number.

2. Power

WARNING
BEFORE PLUGGING IN THE UNIT FOR THE FIRST TIME, READ THE FOLLOWING SECTION CAREFULLY.

- The voltage of the available power supply differs according to country or region. Be sure that the power supply voltage of the area where this unit will be used meets the required voltage (e.g., AC230V 50Hz or AC120V 60Hz) written on the rear panel.
- Voltage Selector (Rear Panel)
  Worldwide models are equipped with a voltage selector to conform with local power supplies. Be sure to set this switch to match the power supply in your area before plugging in the unit. Models without a voltage selector can only be used in areas where the power supply voltage is the same as that of the unit.

3. Do not touch the unit with wet hands

Do not handle the unit or power cord when your hands are wet or damp. If water or any other liquid enters the case, take the unit to an authorized service center for inspection.

4. Location of the unit

- Place the unit in a well-ventilated location. Take special care to provide plenty of ventilation on all sides of the unit especially when it is placed in an audio rack. If ventilation is blocked, the unit may overheat and malfunction.
- Do not expose the unit to direct sunlight or heating units as the unit's internal temperature may rise and shorten the life of the pickup.
- Avoid damp and dusty places and places directly affected by vibrations from the speakers. In particular, avoid placing the unit on or above one of the speakers.
- Be sure the unit is placed in a horizontal position. Never place it on its side or on a slanted surface as it may malfunction.
- Do not place the unit near tuners or TV sets. If placed next to a TV or tuner, it may cause reception interference resulting in some noise in the TV or tuner output.

5. Care

From time to time you should wipe the front and rear panels and the cabinet with a soft cloth. For heavier dirt, dampen a soft cloth in a weak solution of mild detergent and water, wring it out dry, and wipe off the dirt. Following this, dry immediately with a clean cloth. Do not use rough material, thinners, alcohol or other chemical solvents or cloths since these could damage the finish or remove the panel lettering.

6. Points to remember

- If the unit is brought from a cold environment to a warm one or is in a cold room that is quickly heated, condensation may form on the pickup, preventing proper operation. In this case, remove the disc and leave the power ON for about one hour to remove the condensation.
- Always close the disc tray when not loading or unloading discs to protect delicate internal parts from dust.
- When transporting the unit, be careful not to bump it.

Special Cautions for CD Changer

This unit contains a semiconductor laser system and is classified as a "CLASS 1 LASER PRODUCT." To use this model properly, first read this Instruction Manual carefully. If you experience difficulties, please contact the store from which you purchased the unit. To prevent exposure to the laser beam, do not try to open the enclosure.

DANGER:
INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK FAILED OR DEFEATED. AVOID DIRECT EXPOSURE TO BEAM.

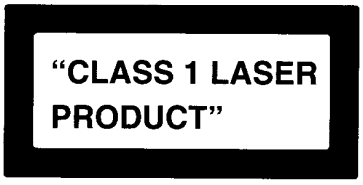
CAUTION:
THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

FOR CANADIAN MODEL
POUR LE MODELE CANADIEN

THIS DIGITAL APPARATUS DOES NOT EXCEED THE CLASS B LIMITS FOR RADIO NOISE EMISSION FROM DIGITAL APPARATUS SET OUT IN THE RADIO INTERFERENCE REGULATIONS OF THE CANADIAN DEPARTMENT OF COMMUNICATIONS.

L'INTERFÉRENCE RADIO ÉLECTRIQUE GÉNÉRÉE PAR CET APPAREIL NUMÉRIQUE DE TYPE B NE DÉPASSE PAS LES LIMITES ÉNONCÉES DANS LE RÈGLEMENT SUR LES PERTURBATIONS RADIO ÉLECTRIQUES, SECTION APPAREIL NUMÉRIQUE, DU MINISTÈRE DES COMMUNICATIONS.

FOR EUROPEAN MODEL



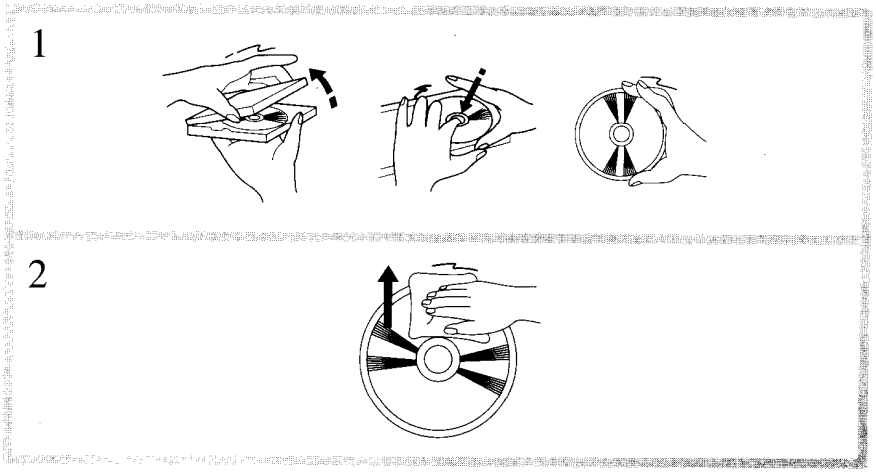
This label on the rear panel states that:
1. This unit is a CLASS 1 LASER PRODUCT and employs a laser inside the cabinet.
2. To prevent exposure to the laser, do not remove the cover. Refer servicing to qualified personnel.

FOR U.S.A. MODEL

1. The laser is covered by a housing that prevents exposure during operation or maintenance. However, this product is classified as a Laser Product by CDRH (Center for Devices and Radiological Health) which is a department of the Food and Drug Administration. According to their regulations 21 CFR section 1002.30, all manufacturers who sell Laser Products must maintain records of written communications between the manufacturer, dealers, and customers concerning radiation safety. If you have any complaints about instructions or explanations affecting the use of this product, please feel free to write to the address on the back page of this manual. When you write to us, please include the model number and serial number of your unit.
2. In compliance with Federal Regulations, the certification, identification and the period of manufacture are indicated on the rear panel.
3. FCC INFORMATION FOR USER

CAUTION:
Changes or modifications not expressly approved by the manufacturer for compliance could void the user's authority to operate the equipment.

NOTE:
This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.



Important notes on handling CDs

1. Carefully lift the disc from the disc case, making sure to hold the disc by its edges or the hole in the center.
2. You may use a dry, soft cloth to wipe dust and fingerprints from the surface of CDs. Do not use volatile agents on discs, such as thinner or benzine. Also, do not use conventional record cleaner or antistatic agents.

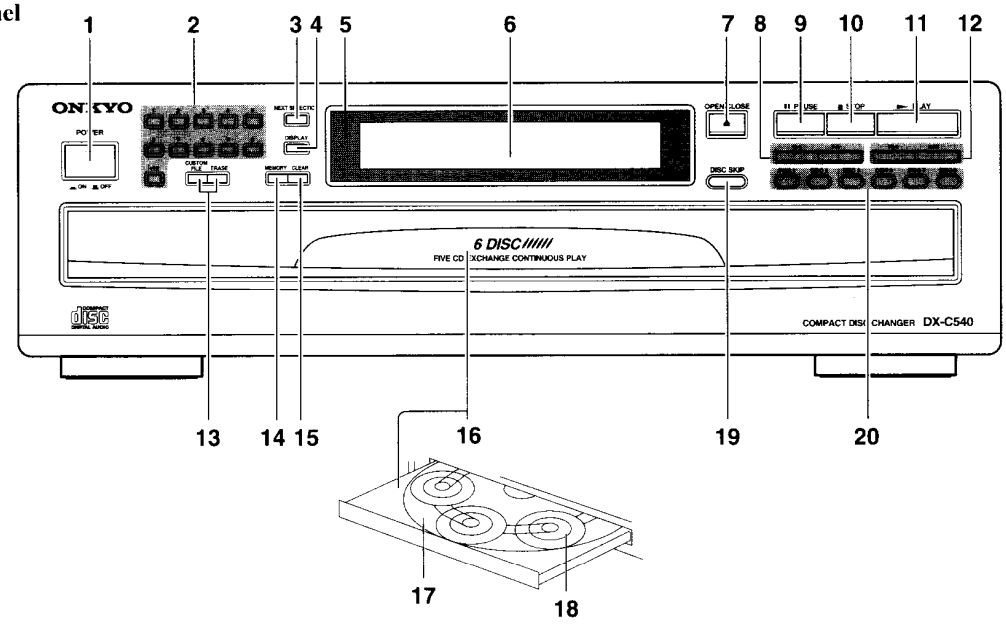
- Do not place a CD in direct sunlight or locations subject to high humidity or low temperature.
- Do not store a CD in the CD changer tray for a long period of time.

Control positions and names

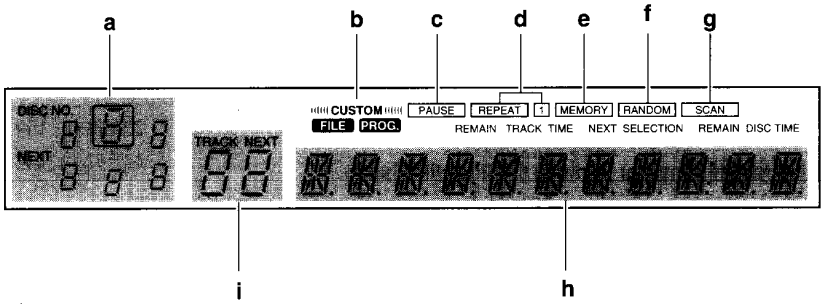
Note:

- If there is a protective film on the surface of the display that makes it difficult to read the display, remove it.
- For more information about the buttons and knobs, refer to the pages listed in the brackets ([ ]) below.

Front panel



Display



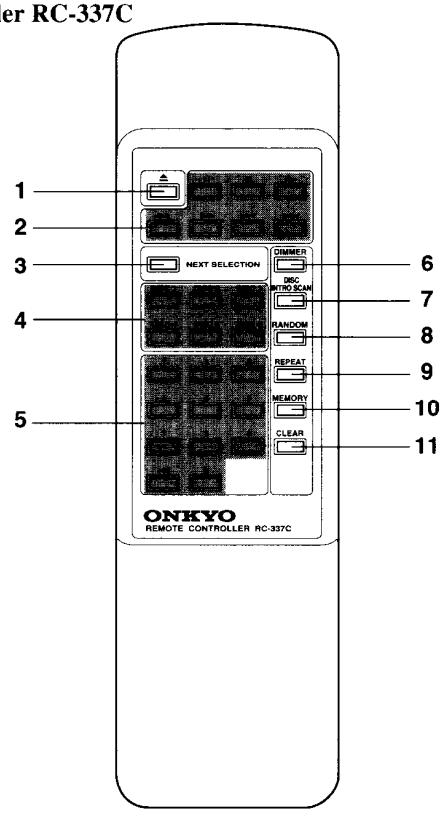
Front panel

1. POWER button [7]
2. Number buttons [10, 12, 14, 17]
3. NEXT SELECTION button [12]
4. DISPLAY button [9, 11]
5. Remote control sensor [5]
6. Display
7. OPEN/CLOSE button [8, 16]
8. Search buttons (◄◄, ►►) [9, 15, 18]
9. PAUSE button [9]
10. STOP button [9]
11. PLAY button [8, 10, 13, 14, 16, 18]
12. Skip up (I◄◄)/down (►►I) buttons [10, 11, 14, 16, 17, 18]
13. CUSTOM FILE/ERASE button [16, 17, 18, 19]
14. MEMORY button [14, 15, 17]
15. CLEAR button [15, 18]
16. Loading drawer
17. Carousel
18. Disc trays
19. DISC SKIP buttons [8, 16]
20. Direct play buttons (DISC 1-DISC 6) [10, 12, 14]

Display

a. Disc number indicator
b. Custom File/Program indicator
c. Pause indicator
d. Repeat indicator
e. Memory indicator
f. Random indicator
g. Scan indicator
h. Elapsed/remaining time display
i. Track number display

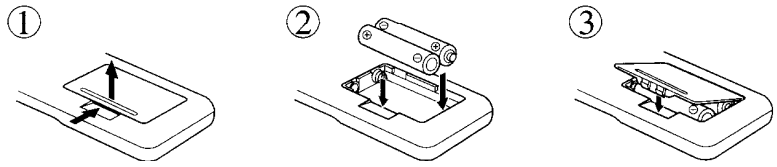
Remote controller RC-337C

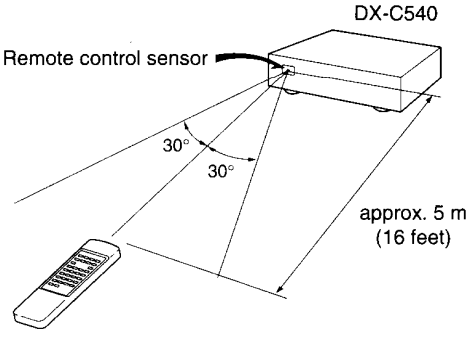


Remote controller

1. **Open/close button [8, 16]**
2. **Operation buttons**
   - ■ : Stop button [9]
   - ❚❚ : Pause button [9]
   - ► : Play button [8, 10, 13, 14, 16, 18]
   - ◄◄ : Fast reverse button [9, 15, 18]
   - ►► : Fast forward button [9, 15, 18]
   - |◄◄ : Reverse skip button [10, 11, 14, 16~18]
   - ►►| : Forward skip button [10, 11, 14, 16~18]
3. **NEXT SELECTION button [12]**
4. **Direct play buttons (DISC 1-DISC 6) [10, 12, 14]**
5. **Number buttons and +10 button [10, 12, 14, 17]**
6. **DIMMER button [8]**
7. **DISC INTRO SCAN button [11]**
8. **RANDOM button [13]**
9. **REPEAT button [13]**
10. **MEMORY button [14, 15, 17]**
11. **CLEAR button [15, 18]**

Insert the batteries into the remote controller following the illustration below.





Inserting the remote controller batteries

Average battery life is about one year, depending on the frequency of use and the environment (temperature and humidity) in which the remote controller is used. Only use batteries of the type specified in the table below.

Type	Voltage	Size
Manganese or Alkaline	1.5V	AA, RC (UM-3) or LR6 (AM-3)

Warning

- Do not leave an expired battery in the case – it may leak or damage the remote controller.
- Do not use nickel cadmium (rechargeable) batteries.
- Replace both batteries at once; do not use one old battery and one new battery.

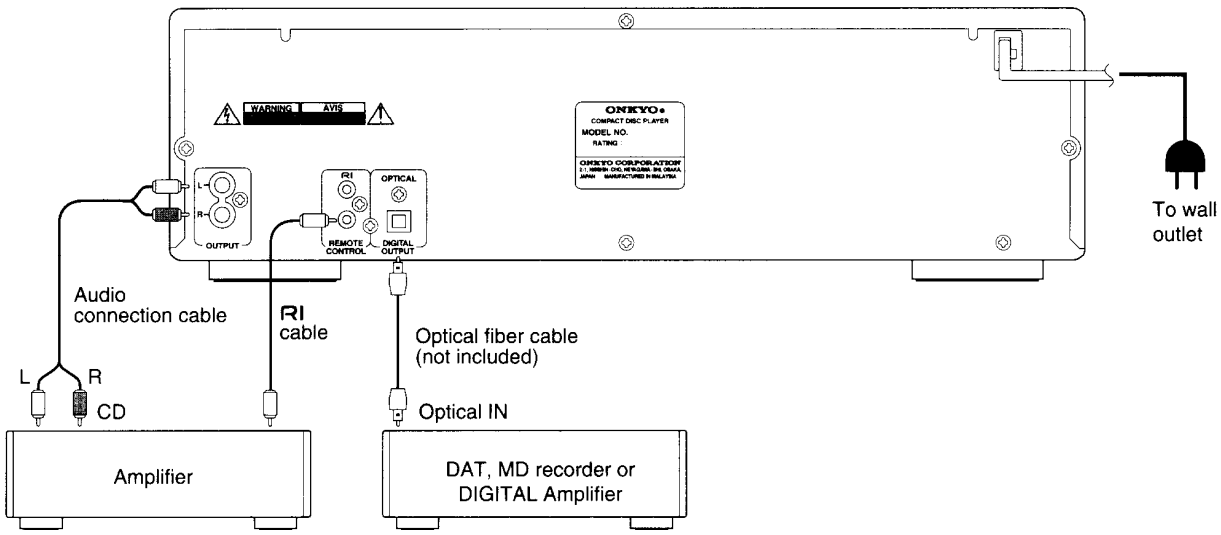
Using the remote controller

The following information will help you optimize use of the remote controller.

- Place this unit away from direct bright light, which can prevent proper operation of the remote controller.
- Make sure audio rack doors do not have tinted glass. If this unit is placed behind such a door, it may prevent proper remote controller operation.
- Using other remote controllers in the same room as this unit's remote controller may cause interference.

System Connections

- **Do not plug in the power cord until all connections have been made.**
- **On each pair of input or output jacks, the jack marked R corresponds to the right channel and the jack marked L corresponds to the left channel.**



Connecting to an audio system

Two types of output jacks are located on the rear panel.
Use the DIGITAL OUTPUT jack if you are connecting the unit to audio equipment that supports a digital connection.

OUTPUT (analog output) jacks:
These are the most commonly used jacks. Connect these jacks to the amplifier's CD input jacks using the supplied audio connection cable.

DIGITAL OUTPUT jack:
For digital recording, connect this jack to the digital input jack of a Mini Disc player, a DAT deck, or other digital equipment. If your amplifier has a digital input jack, connecting the DIGITAL OUTPUT jack to it will produce a much clearer and more dynamic sound.

- Terminal protection cap is attached to the digital jack.
  Remove the cap when connecting the unit to other digital equipment. When you are not using the digital output jack, replace the cap.
- Refer to the amplifier's instruction manual for connections.

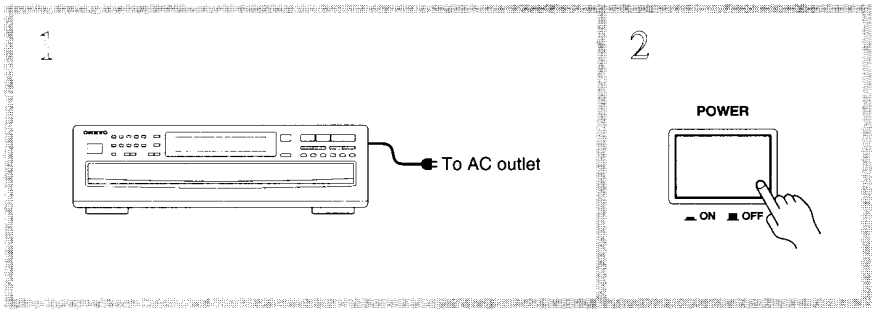
Connections for remote controller (RI)

When connecting Onkyo products, it is necessary to attach the RI cable to be able to use the remote controller of the main component to control the entire system.

1. To use this CD changer with an amplifier (or receiver), cassette tape deck, and tuner that include the appropriate RI jack, connect the components using the RI cable, plugged into the REMOTE CONTROL jacks.
2. As the exact connection sequence of the RI cable is unimportant, you can connect from the amplifier (or receiver) to either the tuner, cassette tape deck, or compact disc changer.
3. To operate correctly, the remote controller must point toward the remote control sensor of the amplifier (or receiver).

NOTES:

- The upper and lower RI REMOTE CONTROL jacks have the same function.
- Remote controller operation is not possible when only the RI cable is connected – the audio connection cables must also be connected.
- An RI cable equipped with a 3.5mm (1/8 in.) diameter miniature two-conductor phone plug is included with this unit and with every tuner and cassette tape deck that utilizes the RI jack.



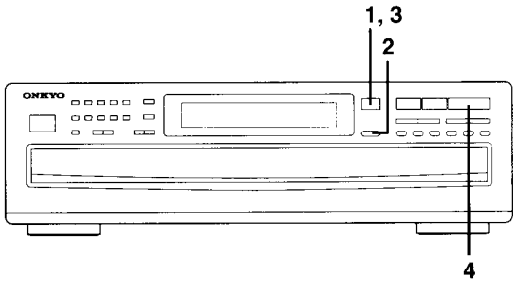
Connecting the power

Before plugging in the unit, confirm that all connections have been made properly.

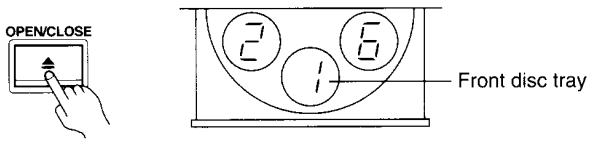
1. **Insert the AC power supply cord into the outlet.**
2. **Press the POWER button.**

- When the power first turns on, the carousel rotates to find a disc and stops automatically if there is a disc on the disc tray.

Playing CDs



1



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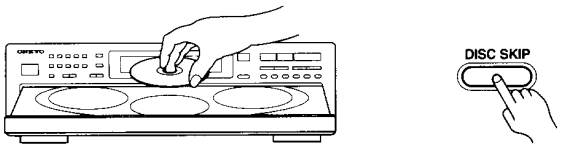

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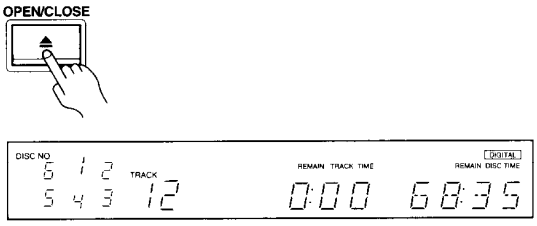
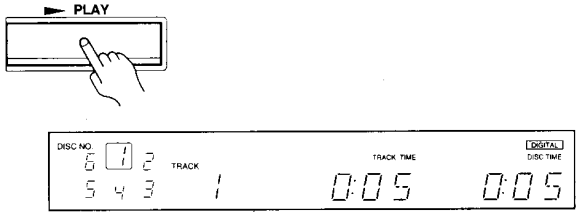
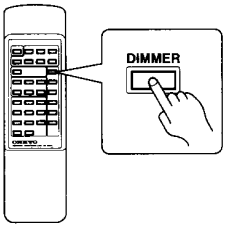


4





Normal playback

1. **Press the ▲ OPEN/CLOSE button to open the loading drawer.**
2. **Place the disc(s) in the disc trays with the label(s) facing up.**
   - Pressing the DISC SKIP button rotates the carousel so that you can load disc(s) in other disc trays.
   - When you press the DISC SKIP button, the disc tray with the Disc Number indicated on the display will come to the front.
   - The carousel usually rotates counter-clockwise. However, it may sometimes rotate clockwise when you press the DISC SKIP button four times repeatedly.
   - If you place the discs in the disc trays and press the ► PLAY button instead of the ▲ OPEN/CLOSE button, the drawer will close, the carousel will rotate, and the unit will start playing back the disc in the front disc tray.
3. **Press the ▲ OPEN/CLOSE button again to close the loading drawer.**
   When you close the loading drawer, the unit will read the disc in the front disc tray and display the number of tracks and the recording time in the disc.
   If there is no disc in this tray, the carousel rotates until it finds a disc tray with a disc. Disc Numbers with empty trays disappear from the display.
4. **Press the ► PLAY button.**
   The unit will start playing back the disc from the first track. After the CD changer completes playing back all discs on the carousel, the display returns to the view shown in step 3.

Note:
If the disc has a custom file, the unit will read the custom file. If the disc has a title file, the unit will display the title. (See "Custom File Function" on page 16.)

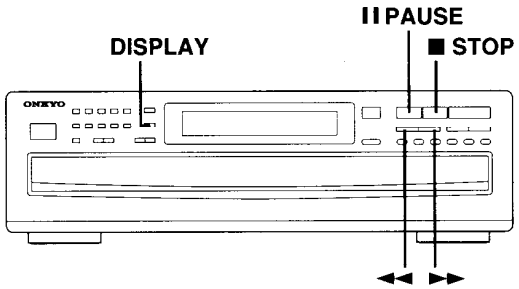
Changing a disc during playback

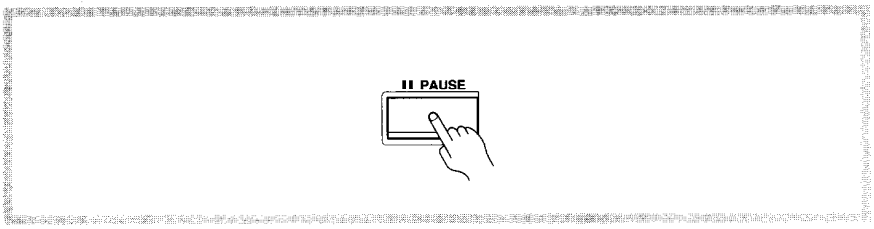
1. **Press the OPEN/CLOSE button during playback.**
2. **Press the DISC SKIP button.**
   The carousel will turn so that you can change a disc other than the one that is playing.
3. **Press the OPEN/CLOSE button to close the loading drawer.**

Note:
You cannot select a new disc to play if the loading drawer is open. When you finish changing discs, close the loading drawer immediately.

Changing the display brightness

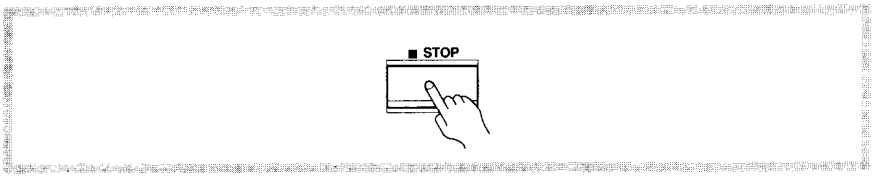
Press the DIMMER button.
The brightness of the display changes at three levels (normal, dim, dark).





Stopping playback temporarily

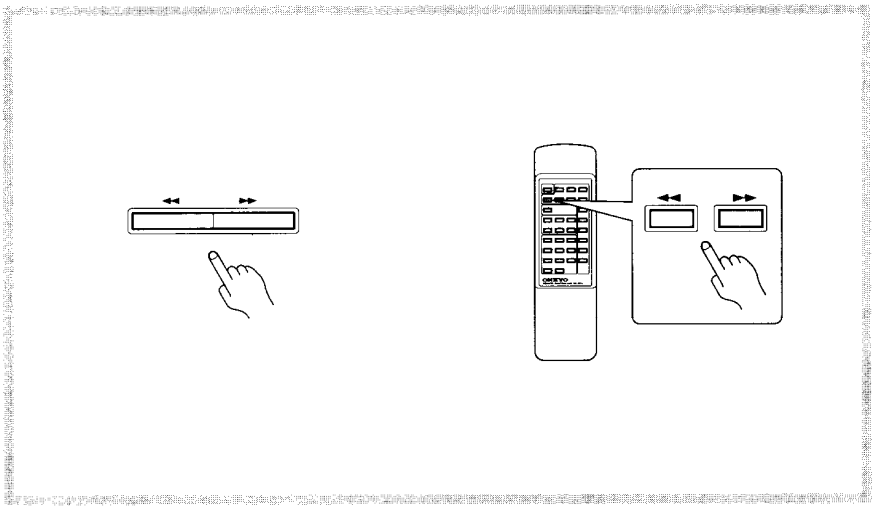
Press the II PAUSE button.
The PAUSE indicator will light up. To resume playback, press the ► PLAY button, or press the II PAUSE button again. The CD changer starts playing again from exactly the point at which it stopped.



Stopping playback

Press the ■ STOP button.

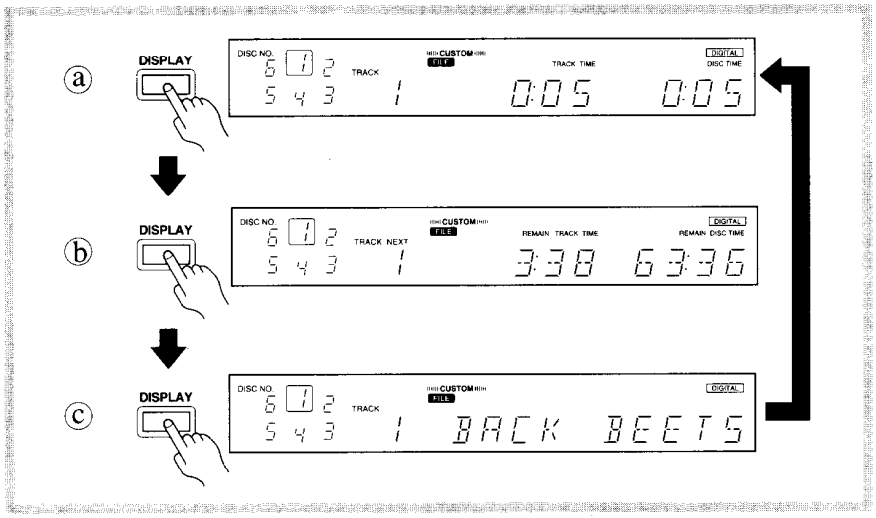
- When you open the loading drawer, the disc that was playing will be in the front disc tray.



Search play

Hold down the ►► button to fast forward the current track during playback.
Hold down the ◄◄ button to fast reverse the current track during playback.
Release the ►► or ◄◄ button when you reach the point on the track you want to play back.

- The unit starts fast forwarding at 10-times speed, and after four seconds at 60-times speed.
- During the fast forward operation, you will hear a cueing sound at low volume.
- When the end of the disc is reached, the unit will play back the next disc.
- If you locate the top of the disc, the unit will cancel the fast forward operation and start playing back from the top of the disc (Track 1).



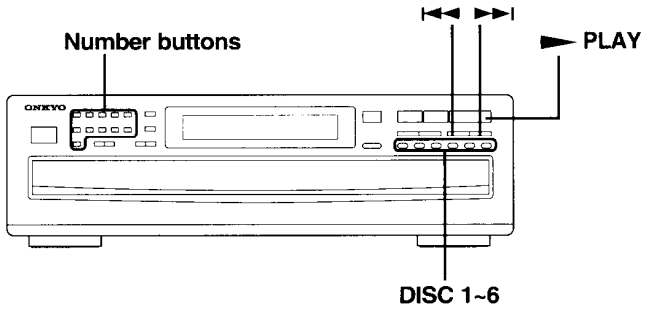
Checking the elapsed or remaining time

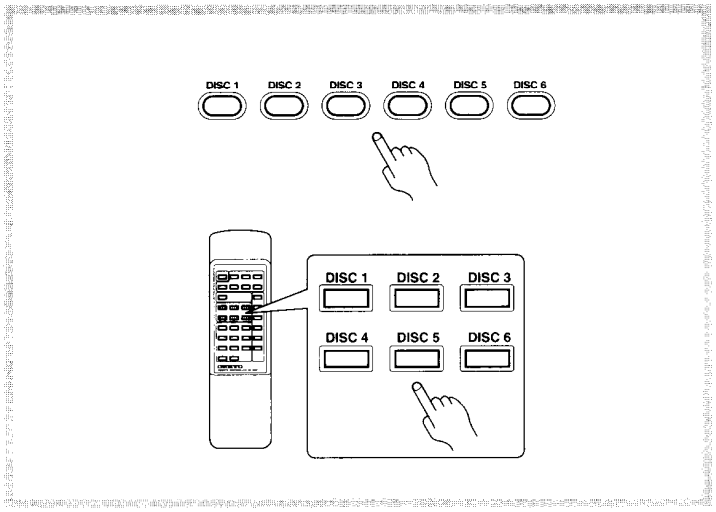
During playback, press the DISPLAY button to toggle between the following displays.

ⓐ TRACK TIME/DISC TIME
The display will indicate the elapsed time from the beginning of the current track, and the elapsed time from the beginning of the current disc.

ⓑ REMAIN TRACK TIME/DISC TIME
The display will indicate the remaining time till the end of the currently playing track, and the remaining time till the end of the current disc.

ⓒ DISC NUMBER/TITLE
The display will indicate the number or title of the current disc.
The title screen will scroll every 10 seconds.

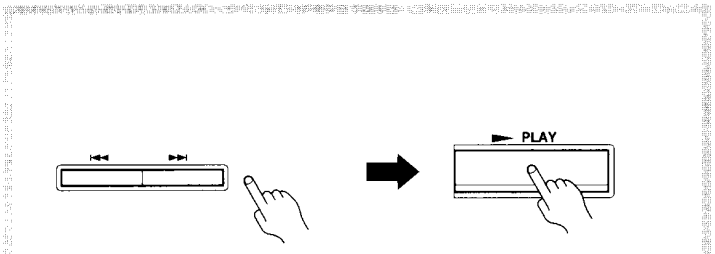




Starting playback from a given disc

Press the Direct Play button of a disc you wish to play back (DISC 1-DISC 6) on the front panel or the remote controller.

- The unit will play back the selected disc.
- If you press the Direct Play button (DISC 1-DISC 6) during playback, the playback will be cancelled and the unit will start playing back Track 1 of the selected disc.
- If you press the DISC SKIP button during playback, the playback will be cancelled and the unit will start playing back Track 1 of the next disc. (If the playback of Disc 6 is cancelled, the unit will start playing back Disc 1.)
- You can select a disc by pressing the DISC SKIP button while the playback is stopped. After you select a disc, press the PLAY button to start playback from Track 1.



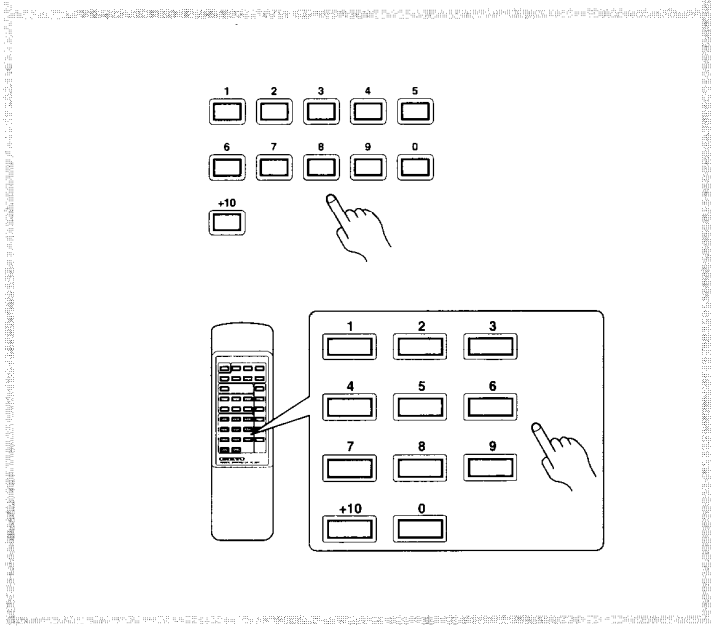
Starting playback from a given track

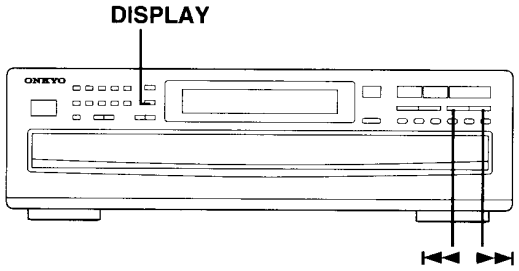
Using Skip buttons to select a playback track

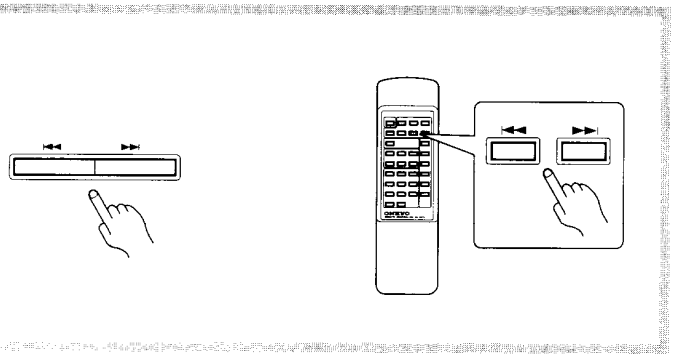
1. **While the unit is stopped, press the ⏮ or ⏭ button to select a track.**
   - The Track indicator section will display the selected track number.
2. **Press the ▶ PLAY button.**
   - The unit will start playing back from the selected track.

Using the number buttons to select a playback track

1. **Select the track number you wish to play back using the number buttons.**
   The CD changer will start playing automatically. You do not need to press the ▶ PLAY button.
   - The +10 number button is used to select a track with a number of 10 or higher. For example, to select Track Number 30, press this button three times, and then press 0.
   - If you do not select a track, playback will start from the first track on the selected disc.





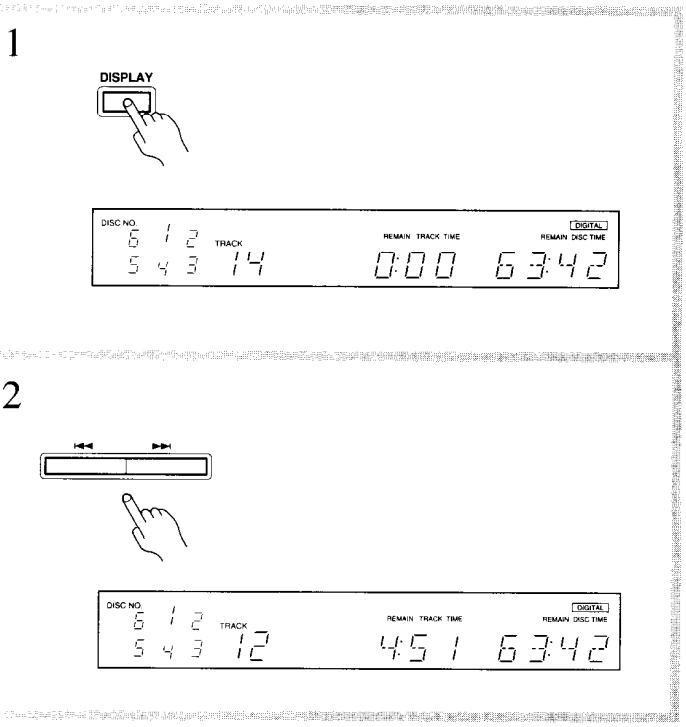


Skip playback

During playback, press the ►►I button.
The CD changer will stop playing the current Track and will begin playing the next track from the beginning.
During memory playback (see "Using memory functions" on page 14.), pressing this button will skip to the top of the next memorized track or the next disc.
Pressing this button during random playback (see "Playing back tracks at random" on page 13.) will stop the playback, and the unit will select the next song at random and start playing it back.

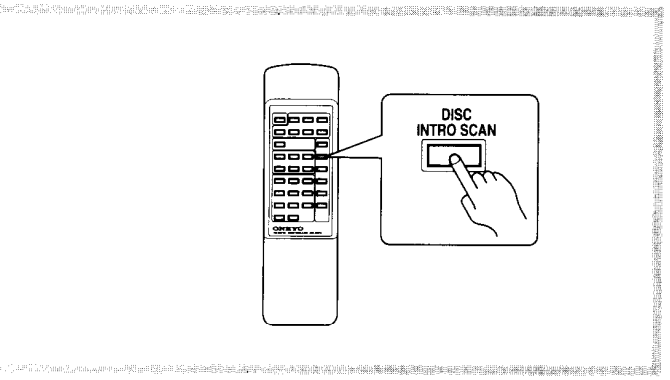
During playback, press the I◄◄ button.
The CD changer will return to the beginning of the current track and will begin playing back the same track again. To jump back to the previous track, quickly press the I◄◄ button again before playback begins.
During memory playback, pressing this button will skip to the top of the previous track or disc.
Pressing this button during random playback will locate the top of the current track, not the previous track.

- The ►►I button is disabled when the unit is playing back the last track of the disc or the last stored track.
- When the first track of the disc (Track 1) or the first stored track is being played back, the I◄◄ button serves only to locate the top of the track.



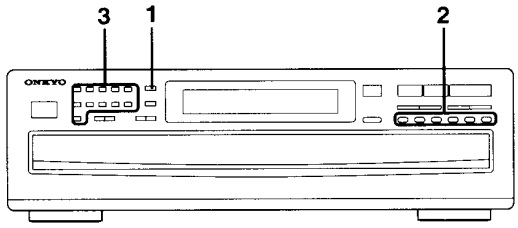
Checking the playing time of a track

1. **When playback is stopped, press the DISPLAY button to check the REMAIN TRACK TIME / REMAIN DISC TIME.**
2. **Use the I◄◄ or ►►I button to display the track that you wish to check.**
   The remaining time for the track and the disc appear on the display. Press the DISPLAY button to view the disc number and title.

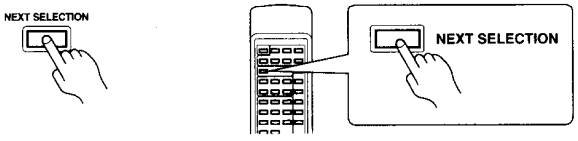


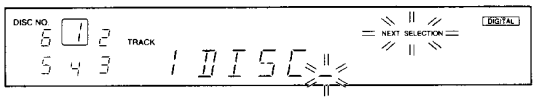
Continuously listening to the beginning of discs (Disc intro scan) (Remote controller only)

The "disc intro scan" function is particularly useful for quickly checking the contents of discs.
To activate this function, press the DISC INTRO SCAN button on the remote controller.
The CD changer will play back only the beginning of each disc for about eight seconds.

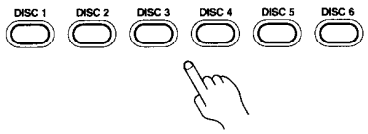


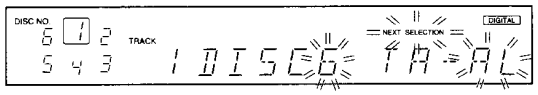
1



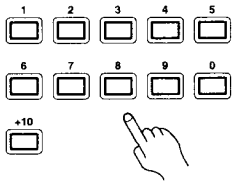


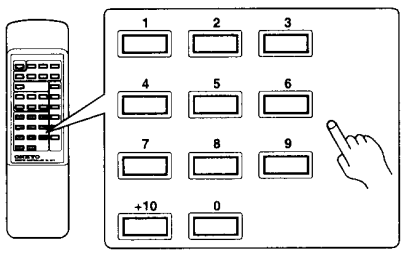
2





3





Selecting the next track to play back

This function enables you to select the next track or disc to play back.

1. **Press the NEXT SELECTION button during playback.**
2. **Select the disc you wish to play using the Direct Play buttons (DISC 1-6).**
   - You can also use the DISC SKIP button to select a disc.
   - To indicate that you wish to play the entire disc, press the NEXT SELECTION button at this point. (AL means all tracks)
   - If you do not select a disc within approximately eight seconds, your disc selection will be cancelled. In this case, try Steps 1 and 2 again.
3. **Select the track number you wish to play using the number buttons.**
   When the playback of the current track is complete, the selected track will play.

- If you select an entire disc to play back, the unit will first complete playback of the current disc, then play back the selected disc. If you select a track to play back, the unit will first complete playback of the current track, then play back the selected track.
- You can use the Next Selection function during memory playback, random playback, and memory random playback (see "Using memory functions" on page 14, and "Playing back tracks at random" on page 13). In these cases, the unit will first complete playback of the current track, then start playing back the selected disc or track, and the memory playback, random playback, or memory random playback will be cancelled.

NOTE:

- If after making your selection, you use the DISC SKIP ⏮, ⏭ button, or the number buttons to change the track for playback, the settings will be cancelled.
- The Next Selection function is effective only once at a time. The function will be cancelled when the selected disc or track starts playing back after playback of the current disc or track is completed.
- If you press the STOP button, the setting will be cancelled.

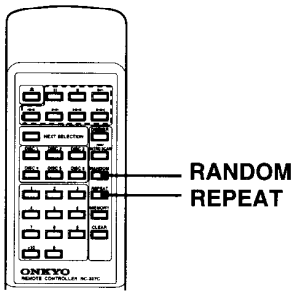
To select another disc or track ...

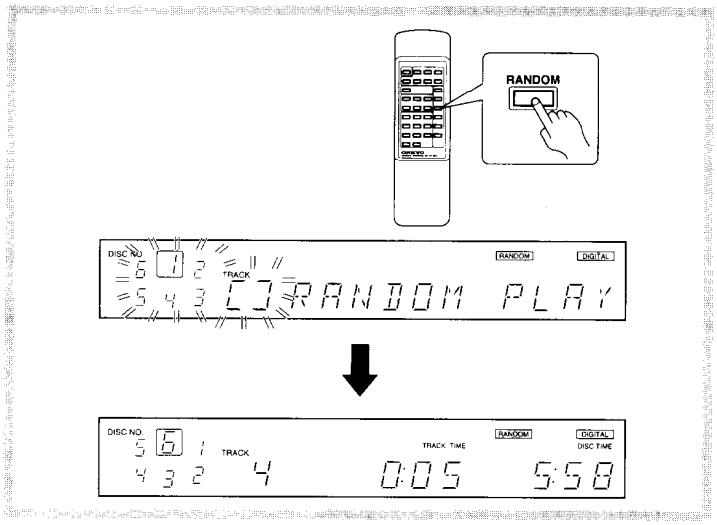
Press the NEXT SELECTION button. The currently-selected disc or track number will flash on the panel. You can change this number in the usual way.

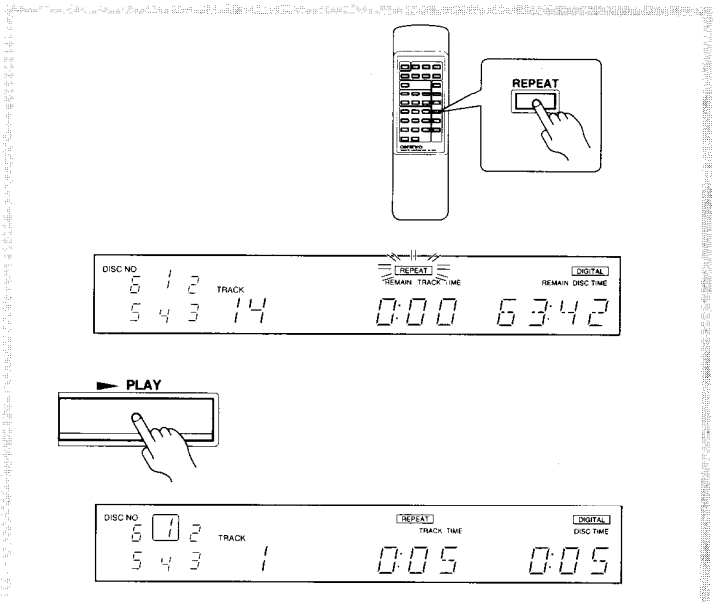
To cancel the selection ...

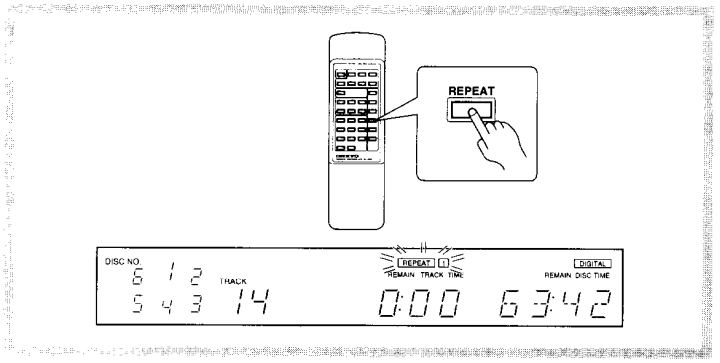
Press the NEXT SELECTION button. The selected disc or track number will flash on the panel. Press the CLEAR button, and the selected disc or track will be cancelled. Press the NEXT SELECTION button.

- The NEXT SELECTION indicator will turn off.









Playing back tracks at random (Remote controller only)

Press the RANDOM button on the remote controller to enter random mode.

The CD changer will play all tracks on all six discs at random.

- To cancel random play, press the ■ STOP or RANDOM button.
- The unit stops when it completes playback of all tracks on all discs.

If you have pressed the REPEAT button, the unit will repeat playback of all tracks at random after it finishes playing all tracks once.

If you have pressed the REPEAT button again to enable one disc repeat playback (REPEAT 1 indication), the unit will repeat random playback of only that disc.

- During random playback, the DISC 1 - DISC 6 buttons, the DISC SKIP button, and the number buttons will be disabled.
- Discs can be exchanged during random playback. However, if you add a disc with a different number of tracks, all tracks will be played back. A disc that contains the same number of tracks will not play back track numbers that have already been played. If a disc for which all tracks have been played is exchanged, the new disc is not played.
- Random mode can be operated together with memory mode and repeat mode. However, if the whole disc is stored into memory and the disc is selected, no other songs are played until the random playback of tracks from this disc is completed. (Refer to "Using memory functions" on page 14 for more information on memory playback.)

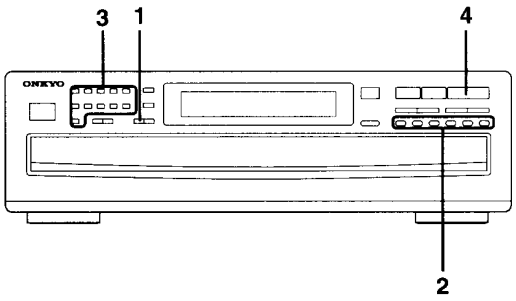
Repeating all tracks of all discs (Remote controller only)

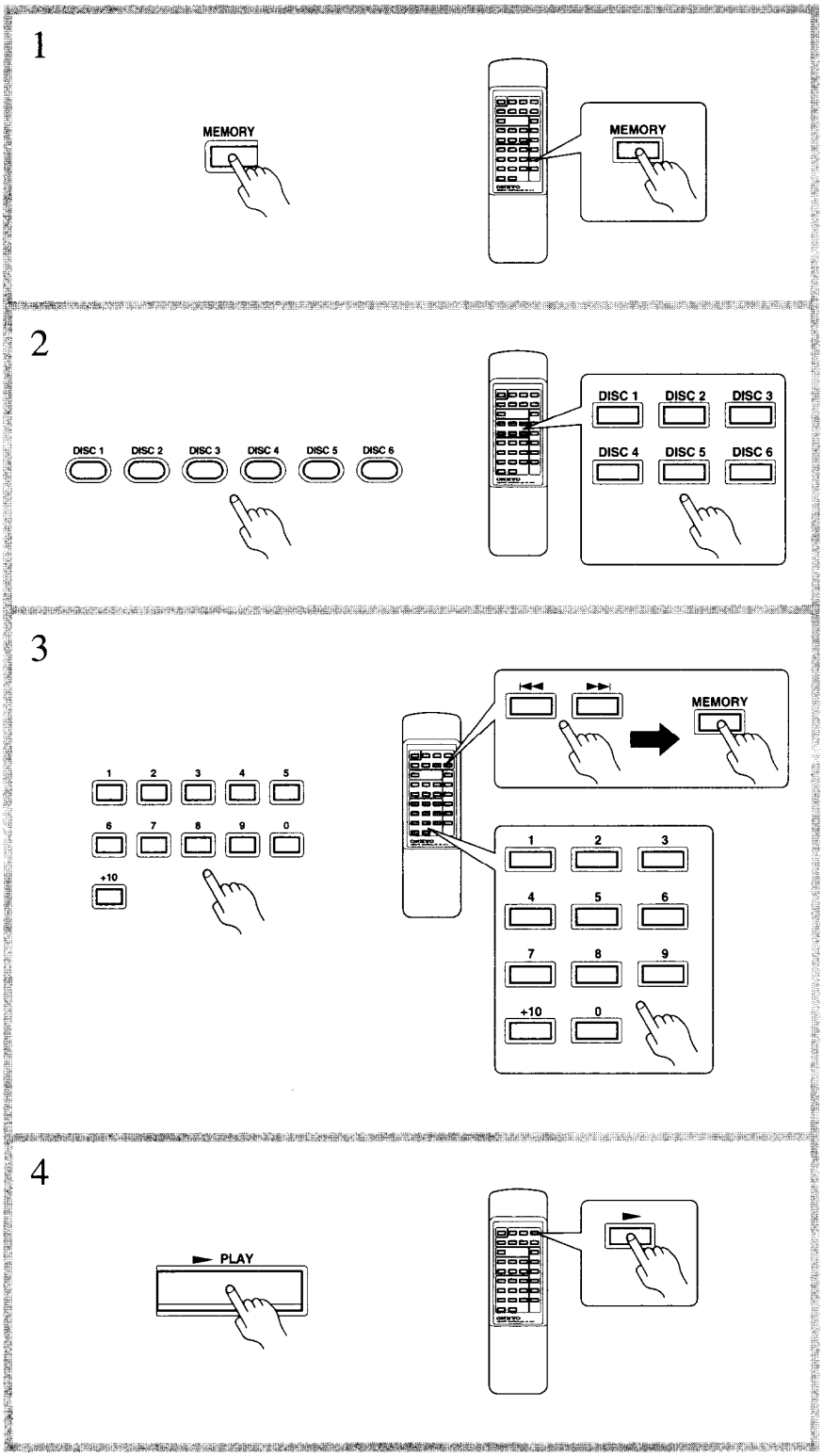
1. **Press the REPEAT button on the remote controller to enter the repeat mode.**
   The REPEAT indicator will light up.
2. **Press the ► PLAY button.**
   All tracks from all discs inserted in the disc trays will be played back repeatedly.
   Repeat playback can be used with normal, random, and memory playback modes (see "Using memory functions" on page 14). You can press this button either before or during playback.
3. **To cancel the repeat mode, press the REPEAT button to turn off the repeat indicator.**

Repeating all tracks of one disc

If you press the REPEAT button once again, the REPEAT 1 indicator will light up, and all tracks of one disc will be played repeatedly. This can be used in normal or random playback modes, but not in memory mode (see "Using memory functions" on page 14).

Using memory functions





Storing a program into memory and playing it

Up to 40 tracks can be stored in memory.

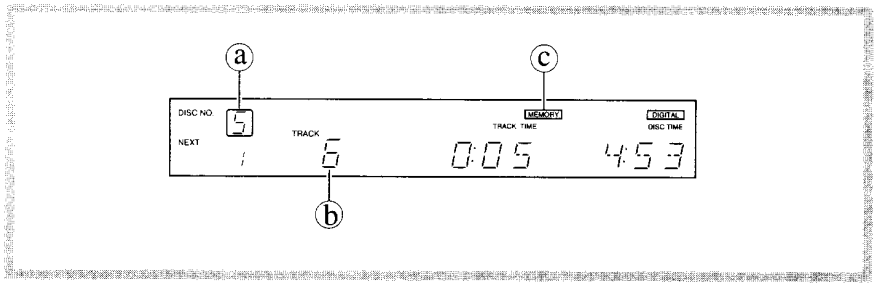
1. **Press the MEMORY button.**
   The MEMORY indicator will light up.
2. **Select the desired disc using the Direct Play buttons (DISC 1-6).**
   - You may also use the DISC SKIP button to select a disc.
   - If you wish to program the entire disc, select the desired disc and press the MEMORY button. ("AL (all)" appears.)
   - To use the number buttons to select the entire disc, press the "0" button.
3. **Use the ⏮ / ⏭ buttons, or the number buttons to select the desired track.**
   - If you have used the ⏮ / ⏭ buttons to select a track, you must also press the MEMORY button. The selected tracks are stored in memory.
   - To store tracks on other discs into the memory, repeat steps 2 and 3.
   - Repeat Step 3 to select a track from the same disc.
   - If you attempt to select more than 40 tracks, "FULL" will flash on the time display to indicate that the memory is full.
4. **Press the ► PLAY button.**
   The CD changer will play the programmed tracks in the order you selected.
   - If you press the MEMORY button during playback, the track being played will be stored in memory. You can use the number buttons to program more tracks.
   - You will need to select a disc each time you wish to program a track from a non-current disc.

NOTES:

- If the total remaining time is more than 99 minutes 59 seconds or when the contents of the memory extends to 2 or more discs, "--:--" will be displayed.
- If a selected disc or track does not exist, the corresponding indicator (disc or track) will light up and the selection will be included in the program count, but the selection(s) will be ignored and the subsequent disc or track in the program will play.

Stopping a memory playback

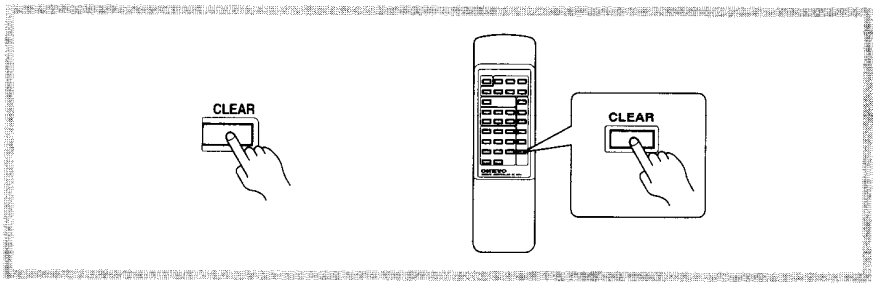
Press the ■ STOP button.



Contents of the display

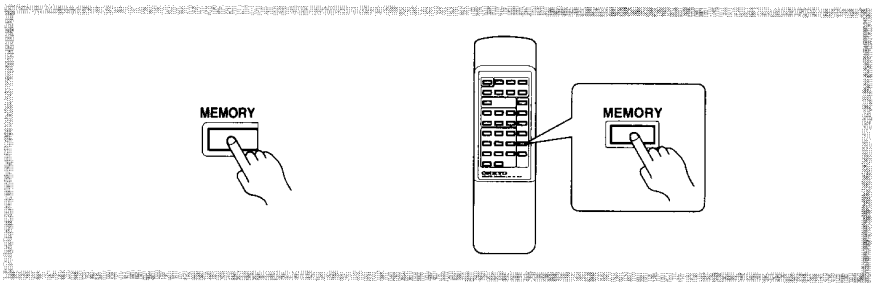
Example: When the sixth track of DISC #5 is stored in memory as the second track to play back (P-02).

ⓐ Disc number
ⓑ Track number
ⓒ MEMORY indicator



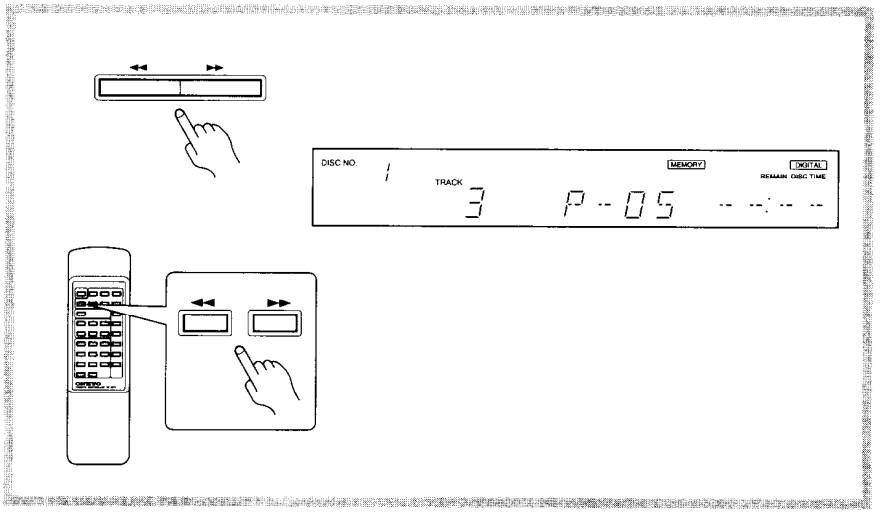
Clearing the last track stored

Press the CLEAR button.
The last track stored in memory is cleared.



Clearing the entire program

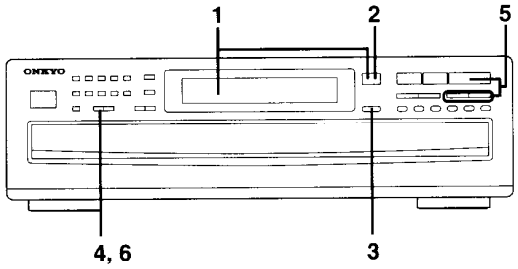
Press the MEMORY button.
The contents of memory are completely cleared.

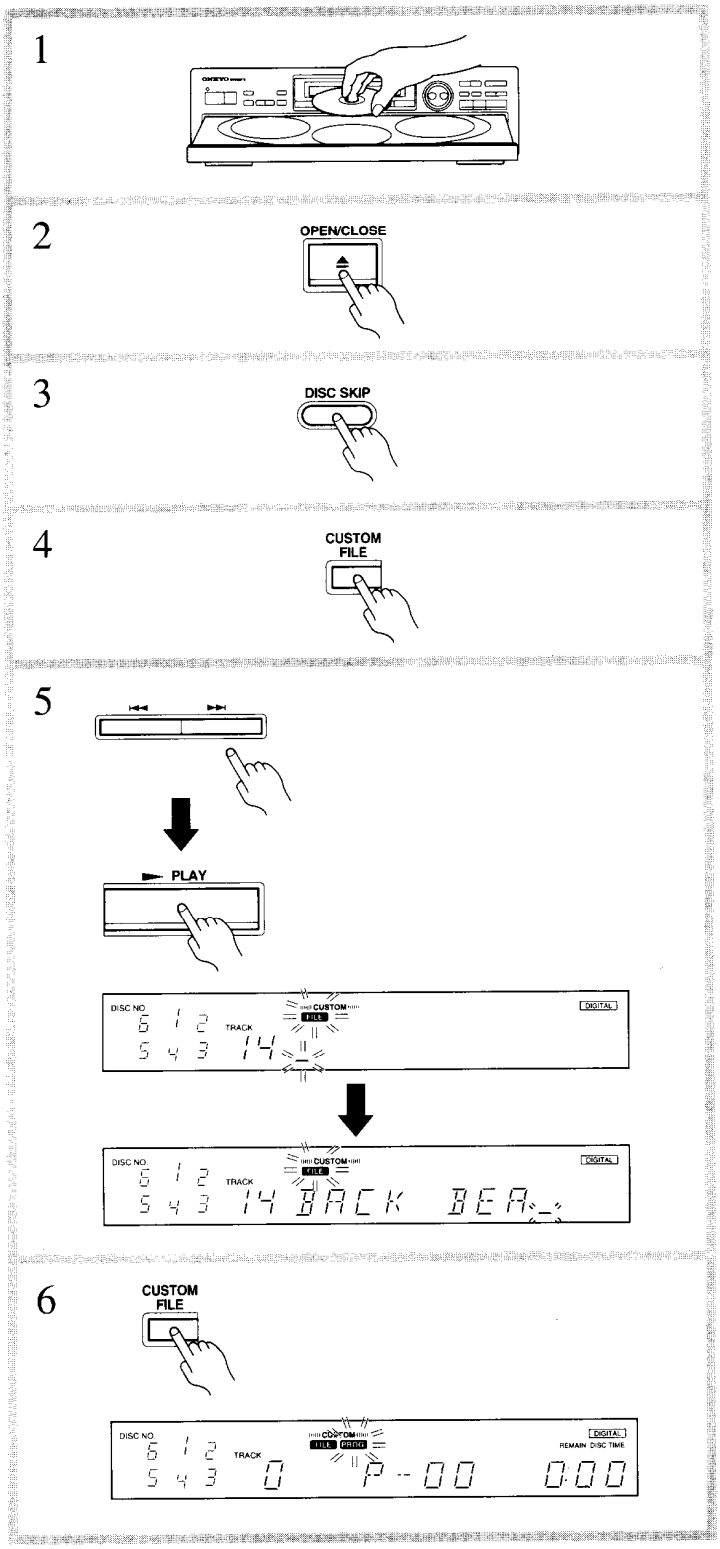


Checking what is stored in memory

1. First, if the CD changer is playing in memory playback mode, press the STOP button. The CD changer will display the last program number stored in memory.
2. If you press the ►► button repeatedly, the track numbers in memory will appear in the display in the order in which they were stored. If you press the ◄◄ button repeatedly, the track numbers will appear in the opposite order.

Custom file/program functions

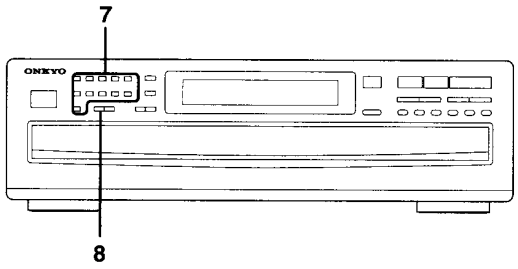


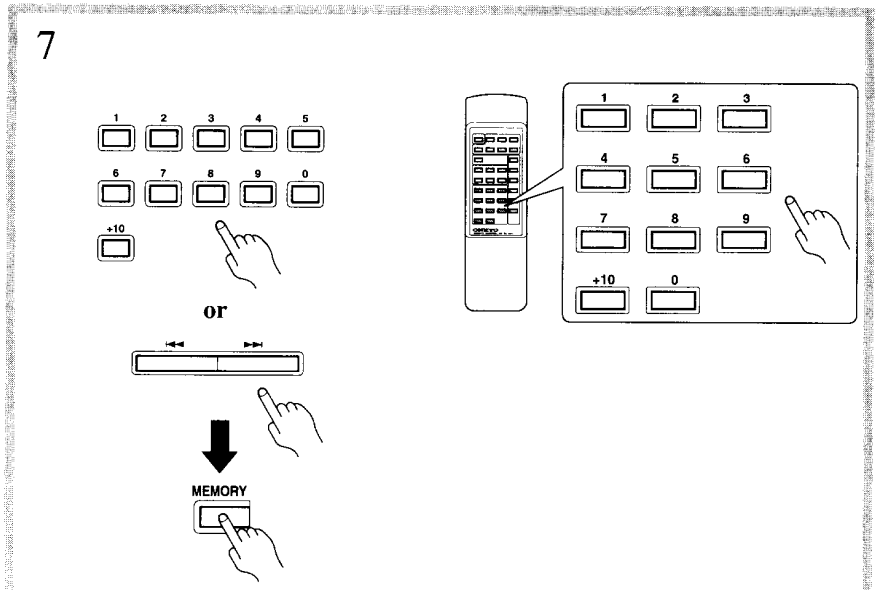


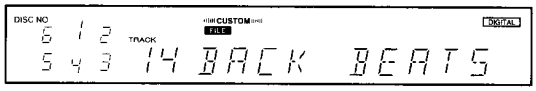
The custom file function allows you to store a title or name for your favorite discs (up to 202 discs). This function is useful if you wish to have the title of the disc displayed when you select a disc using the DISC SKIP or DISC 1 - DISC 6 buttons, or when the playback is ended and the disc player changes the disc. The titles will also scroll during playback if you have selected the title display by using the DISPLAY button.
The custom program function allows you to store a set of desired song selections for a disc, so that only those songs will be played back the next time the disc is played.

Custom file function

1. **Press the ▲ OPEN/CLOSE button to open the loading drawer, and place a disc for which you wish to prepare a custom file in the disc tray.**
2. **Press the ▲ OPEN/CLOSE button.**
   The loading drawer will close. Wait until the disc information appears on the display.
   - The custom file function operates only when the disc tray is closed.
3. **Use the DISC SKIP button or DISC 1~6 button to select the disc for which you wish to prepare a custom file.**
4. **Press the CUSTOM FILE button.**
   The unit enters a mode that enables you to input a title.
5. **Enter characters.**
   Use the ⏮ or ⏭ button to select characters and press the PLAY button. The selected character will be entered, allowing you to enter the next character.
   - If you make a mistake, press the ■ STOP button. Use the ◀◀, ▶▶ button to move the cursor forward or backward.
   - Up to 16 characters can be entered.
   - To input a blank space, just press the PLAY button without entering any character.
6. **When you finish entering the title, press the CUSTOM FILE button.**
   - Pressing the CUSTOM FILE button will take you to custom program entry mode.
   - "FILE" will light up and "PROG." will flash on the display.
   - If you do not need to use the Custom program function, press the CUSTOM FILE button again to exit.







Custom program function

7. Use the number buttons to select a desired track.

- If you have used the ⏮/⏭ buttons to select the desired track, you must also press the MEMORY button.
- A custom program of up to 16 songs can be stored for each disc.

8. Exiting custom program mode.
Press the CUSTOM FILE button. When the custom program function is operating, the "PROG" indicator lights up.

NOTES:

- You cannot enter a custom program during playback or if memory playback has been set.
- While the custom program function is operating, pressing the RANDOM button will cancel the custom program function, and start random playback.

A disc for which a custom file has been set:

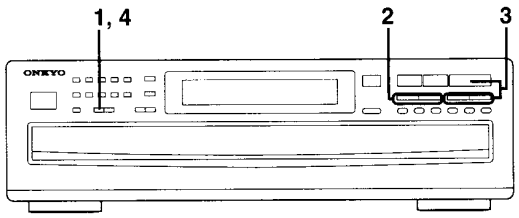
When you place a disc for which a custom file has been set in the disc tray and you close the tray, the unit will display the disc title instead of the disc number.

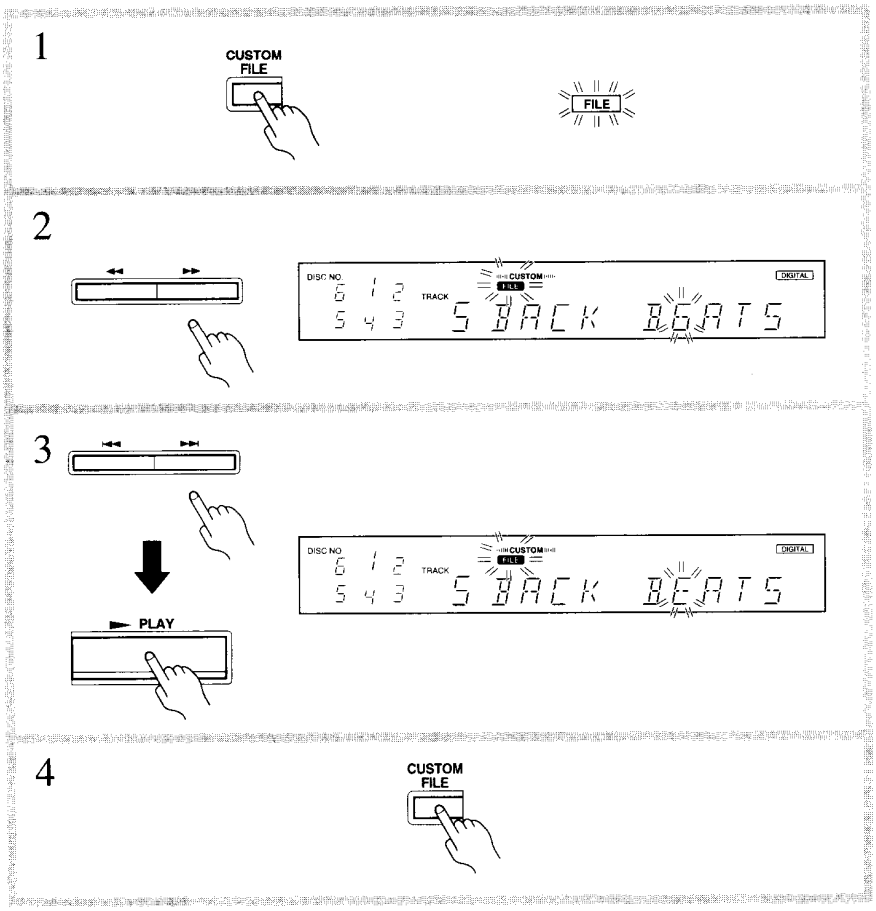
A disc for which a custom program has been set:

When you place a disc for which a custom program has been set in the disc tray to play back, the programmed sequence of tracks will start.

Checking a custom file/ custom program

With the tray open, press the CUSTOM FILE button.
The contents of the custom files will be recalled successively.

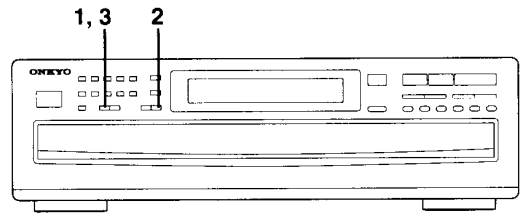


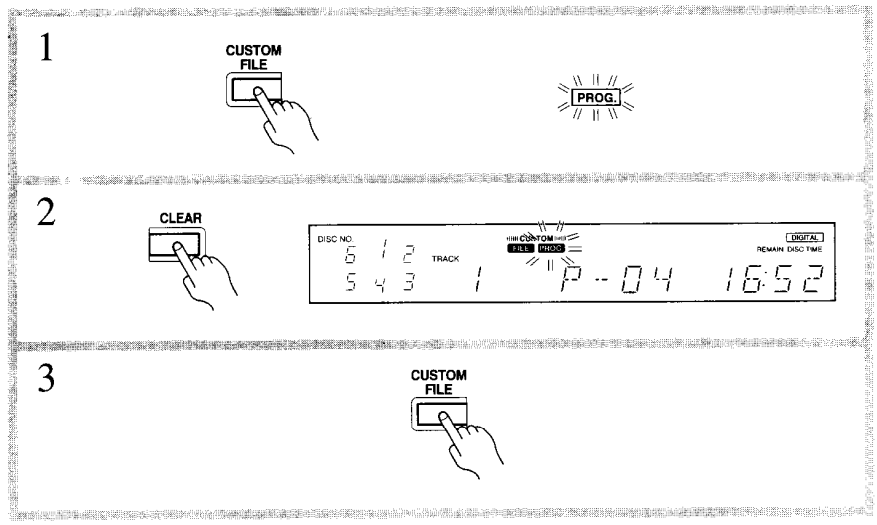


Modifying a custom file

You can modify a custom file only while the disc is in the tray.

1. **Repeatedly press the CUSTOM FILE button until the FILE indicator blinks.**
2. **Use the ◄◄ or ►► button to move the cursor to the character you wish to change.**
3. **Use ⏮ or ⏭ button of the remote controller to change the character.**
4. **After you modify the file, press the CUSTOM FILE button.**

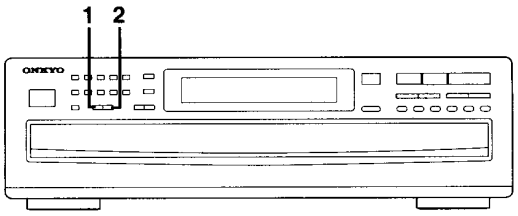


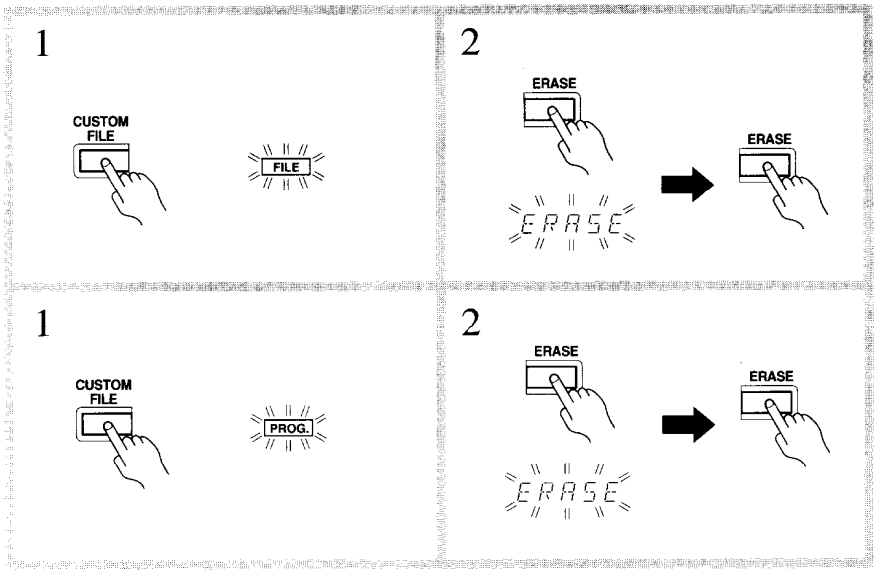


Modifying a custom program

You can modify a custom program only while the disc is in the tray.

1. **Repeatedly press the CUSTOM FILE button until the PROG. indicator blinks.**
2. **Press the CLEAR button to erase the program.**
   Each time you press the button, a programmed track will be erased, starting with the last track.
3. **Add new tracks to the program if necessary (see "Custom program function" on page 17 for information on how to program tracks). After you modify the program, press the CUSTOM FILE button.**





Erasing a custom file/custom program

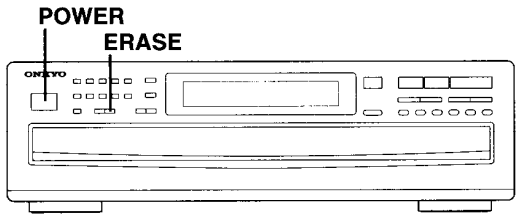
Place the disc in the tray.

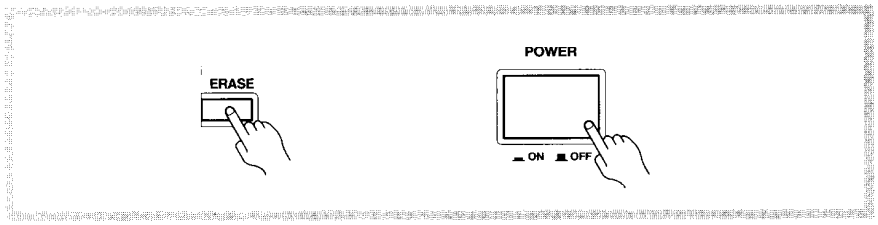
Erasing a Custom File:

1. **Repeatedly press the CUSTOM FILE button until the FILE indicator blinks.**
2. **Press the ERASE button. The ERASE indication will blink. While the ERASE indication is blinking, press the ERASE button once again.**

Erasing a Custom Program:

1. **Repeatedly press the CUSTOM FILE button until the PROG. indicator blinks.**
2. **Press the ERASE button. The ERASE indication will blink. While the ERASE indication is blinking, press the ERASE button once again.**





Erasing all custom files/ custom programs

With the power turned off, hold down the ERASE button and press the power switch. The entire memory will be erased.

Troubleshooting Guide

- **No power.**
  Cause: Power cable is not properly plugged into the AC outlet.
  Remedy: Insert the power plug firmly.
- **A disc is loaded in the disc tray, but playback will not start.**
  Cause: A disc in the disc tray may be upside down.
  Remedy: Load the disc with the label facing upward.
  Cause: The disc is dirty.
  Remedy: Clean the disc.
  Cause: Moisture has accumulated inside the CD changer.
  Remedy: Remove the disc from the disc tray, place the CD changer in a warm place, and leave the power on for about one hour.
- **No sound is heard.**
  Cause: Connections may be incomplete or incorrect.
  Remedy: Check all cable connections. Insert all the plugs firmly into the jacks.
  Cause: The input selector switch on the amplifier may be set incorrectly.
  Remedy: Set the switch to the proper position. See your amplifier's operating instructions for more information.
- **Disc playback skips.**
  Cause: The disc is dirty.
  Remedy: Clean the disc.
  Cause: A disc is scratched.
  Remedy: Replace the disc.
  Cause: The CD changer is subject to being accidentally bumped.
  Remedy: Place the CD changer in a more stable location.
- **Search time (when locating a specific track) is extremely long.**
  Cause: The disc is dirty.
  Remedy: Clean the disc.
  Cause: The disc is scratched.
  Remedy: Replace the disc.
- **Track numbers cannot be stored in memory.**
  Cause: No disc in the tray.
  Remedy: Load a disc in the tray.
  Cause: You have entered a track number that does not exist on the disc.
  Remedy: Use only the track numbers that exist on the disc.
- **Front panel controls function correctly, but remote controller does not.**
  Cause: No batteries in remote controller.
  Remedy: Insert batteries.
  Cause: Batteries have worn out.
  Remedy: Replace batteries.

Specifications

Signal readout system:	Optical non-contact
Reading rotation:	About 500 - 200 r.p.m. (constant linear velocity)
Linear velocity:	1.2 - 1.4 m/s
Error correction system:	Cross Interleave Reed-Solomon code
D/A converter:	1 bit PWM/ACCUPULSE
Sampling frequency:	352.8 kHz (8 times oversampling)
Number of channels:	2 (stereo)
Frequency response:	5 Hz - 20 kHz
Total harmonic distortion:	0.005% (at 1 kHz)
Dynamic range:	96 dB
Signal to noise ratio:	92 dB
Channel separation:	92 dB (at 1 kHz)
Wow and Flutter:	Below threshold of measurability
Output level:	2 volts r.m.s.
Power consumption:	11 watts
Power supply:	120 V, 60 Hz 230 V, 50 Hz
Dimensions (W × H × D):	435 × 131 × 433 mm (17-1/8" × 5-3/16" × 17-1/16")
Weight:	6.9 kg (15.2 lbs.)

Specifications and features are subject to change without notice.

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